

(FILE 'HOME' ENTERED AT 16:58:22 ON 22 SEP 2001)

FILE 'USPATFULL' ENTERED AT 16:58:32 ON 22 SEP 2001

L1 0 SEA REGULATING(W)THE(W)BIOLOGICAL(W)ACTIVITY  
L2 0 SEA REGULATIN(W)THE (W)ACTIVITY  
L3 0 SEA REGULATING(W) THE (W) ACTIVITY

FILE 'CAPLUS' ENTERED AT 16:59:45 ON 22 SEP 2001

L4 0 SEA REGULATING THE BIOLOGICAL ACTIVITY  
L5 11142 SEA IAA  
L6 140 SEA L5 AND RECEPTOR  
L7 5 SEA L6 AND REGULATE  
D L7 1-5  
D L7 4 STD, KWIC, AB

FILE 'BIOTECHNO' ENTERED AT 17:03:20 ON 22 SEP 2001

L8 632 SEA IAA  
L9 18 SEA L8 AND RECEPTOR  
L10 1 SEA L9 AND REGULATE  
D L10 1  
D L10 1 STD, KWIC, AB

L10 ANSWER 1 OF 1 BIOTECHNO COPYRIGHT 2001 Elsevier Science B.V.  
 AN 1994:24313880 BIOTECHNO |  
 TI Role of sulfhydryl groups in induction of cell surface down-modulation  
 and shedding of extracellular domain of human TNF receptors in human  
 histiocytic lymphoma U937 cells  
 |  
 AU Zhang L.; Aggarwal B.B. |  
 CS Cytokine Research Laboratory, Texas Univ. M. D. Anderson Can. Ctr., CIBT  
 Box 041, 1515 Holcombe Blvd., Houston, TX 77030, United States.  
 |  
 SO Journal of Immunology, (1994), 153/8 (3745-3754)  
 CODEN: JOIMA3 ISSN: 0022-1767  
 |  
 DT Journal; Article |  
 CY United States |  
 LA English |  
 SL English |  
 AB The interaction of different polypeptide growth factors with their cell  
 surface receptors, which are typically rich in cysteine, is modulated by  
 sulfhydryl (SH) reagents. Because the extracellular domain of both human  
 TNFRs are likewise rich in cysteine residues, we examined the effect of  
 SH reagents on these receptors in human histiocytic lymphoma U937 cells,  
 which express both p60 and p80 forms. Iodoacetamide induced  
 down-regulation of cell surface TNFRs in a dose- and time-dependent  
 manner. Down-regulation was complete at 10 mM **IAA** for 1 h at  
 37.degree.C. The decrease was minimal at 4.degree.C. The down-modulation  
 was also observed with other cell-permeable and impermeable thiol  
 reagents. The expression of other cell surface molecules such as CD3,  
 CD11b, CD23, and CD25 were not affected. **IAA** induced the  
 down-regulation of TNFR on cells of both epithelial and myeloid origin.  
 With the use of **receptor**-specific Abs, we found that the  
 kinetics of down-modulation of the p60 and p80 receptors by **IAA**  
 were very similar. We also found that down- modulation was not a result  
 of internalization but rather of the shedding of the receptors, as  
 ascertained by **receptor**-ligand cross-linking analysis,  
 immunoassay, Western blot analysis, and ligand-blot analysis. When TNFRs  
 with a molecular mass of 80 kDa disappeared from the cell surface, a  
 42-kDa polypeptide appeared in the medium. Thus, we demonstrate that SH  
 reagents down-regulate TNFRs by inducing shedding of both  
 receptors from the cell surface, most likely by activating an  
 endopeptidase that cleaves the **receptor**. |  
 CT \*cytokine **receptor**; \*immunostimulation; cell surface  
**receptor**; article; downregulation; enzyme activation; gene  
 expression; human cell; nonhuman; priority journal; protein domain |

PR180.J6  
 V44b →

L7 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2001 ACS  
 AN 1993:56315 CAPLUS  
 DN 118:56315  
 TI **IAA**-dependent regulation of growth processes in the phase of  
 gravitropic curvature realization  
 AU Darginaviciene, J.; Merkys, A.; Krupovnickiene, A.; Zemenas, J.;  
 Jurkoniene, S.; Ausiuriene, G.  
 CS Inst. Bot., Vilnius, 2021, Lithuania  
 SO Eksp. Biol. (1992), Volume Date 1991, (4), 20-34  
 CODEN: EKBIED; ISSN: 0235-7232  
 DT Journal  
 LA English  
 TI **IAA**-dependent regulation of growth processes in the phase of  
 gravitropic curvature realization  
 AB . . . curvature, was investigated in wheat coleoptile segments and  
 isolated plasmalemma vesicles. Lateral gradients of both bound  
 (immobile)  
 and free (transportable) **IAA** forms were related to gravitropic  
 curvature. A correlation between growth rate of upper and lower parts of  
 the gravistimulated segment and functional activity of hormone-  
**receptor** plasmalemma systems was ascertained. Thus, changes in  
 the **IAA** basipetal transport rate may **regulate**  
 gravitropic growth responses.  
 ST **IAA** gravitropism plant  
 IT Geotropism  
 (IAA regulation of, in plants)  
 IT 87-51-4, **IAA**, biological studies  
 RL: BIOL (Biological study)  
 (in gravitropic growth regulation in plants)  
 AB Hormone regulation in gravitropic curvature, was investigated in wheat  
 coleoptile segments and isolated plasmalemma vesicles. Lateral gradients  
 of both bound (immobile) and free (transportable) **IAA** forms were  
 related to gravitropic curvature. A correlation between growth rate of  
 upper and lower parts of the gravistimulated segment and functional  
 activity of hormone-**receptor** plasmalemma systems was  
 ascertained. Thus, changes in the **IAA** basipetal transport rate  
 may **regulate** gravitropic growth responses.

L14 ANSWER 1 OF 1 USPATFULL

SUMM 2. Decreased rate of **carbohydrate** utilization in cells of the body;

DETD Step L: 1-(2-Trimethylsilylethoxy)methyl-1H-**imidazole-4-acetic acid**, ethyl ester; and 3-(2-trimethylsilylethoxy)methyl-1H-**imidazole-4-acetic acid**, ethyl ester

DETD To a solution of 383 gm (2.48 mmol) of 1H-**imidazole-4-acetic acid** ethyl ester (prepared according to the procedure of Bashkin et al; J. Org. Chem., 1990, 55, 5125-5132.) in 5 mL.

DETD Step M: 1-(2-Trimethylsilylethoxy)methyl-1H-**imidazole-4-acetic acid**, lithium salt, and 3-(2-trimethylsilylethoxy)methyl-1 H-**imidazole-4-acetic acid**, lithium salt

AB There are disclosed certain novel compounds identified as benzo-fused lactams which promote the release of growth hormone in humans and animals. This property can be utilized to promote the growth of food animals to render the production of edible meat products more efficient, and in humans, to increase the stature of those afflicted with a lack of a normal secretion of natural growth hormone. The compounds are prepared by substitution of an amino-lactam with a substituted amide function. Growth promoting compositions containing such benzo-fused lactams as the active ingredient thereof are also disclosed. ##STR1## where L is ##STR2##

AN 96:113925 USPATFULL

TI Benzo-fused lactams promote release of growth hormone

IN Bochis, Richard J., East Brunswick, NJ, United States  
Fisher, Michael H., Ringoes, NJ, United States  
Devita, Robert J., Westfield, NJ, United States  
Schoen, William R., Edison, NJ, United States  
Wyvratt, Matthew J., Mountainside, NJ, United States

PA Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

PI US 5583130 19961210

AI US 1992-951681 19920925 (7)

DT Utility

FS Granted

LN.CNT 3111

INCL INCLM: 514/183.000  
INCLS: 514/213.000; 514/312.000; 514/418.000; 540/461.000; 540/523.000; 546/158.000; 548/483.000

NCL NCLM: 514/183.000  
NCLS: 514/212.070; 514/213.000; 514/312.000; 514/418.000; 540/461.000; 540/523.000; 546/158.000; 548/483.000

IC [6]  
ICM: A61K031-47  
ICS: A61K031-55; C07D401-10; C07D403-10

EXF 540/461; 540/523; 546/158; 548/483; 514/183; 514/213; 514/312; 514/418

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

FILE 'REGISTRY' ENTERED AT 17:24:00 ON 22 SEP 2001

L1 71 SEA IAA  
L2 0 SEA L1 AND IMIDAZOLINE  
L3 0 SEA L1 AND IODO  
L4 0 SEA L1 AND RIBOFURANOSYL  
L5 49 SEA L1 AND ACETIC ACID  
D L5 1-49, TI  
D L4 1-75  
D L1 1-71 SAME

FILE 'USPATFULL' ENTERED AT 17:34:34 ON 22 SEP 2001

L6 1169 SEA IAA  
L7 0 SEA L6 AND RIBOFURANOSYL  
L8 427 SEA L6 AND NUCLEOTIDE  
L9 0 SEA L8 AND IMIDAZOLEACETIC  
L10 5 SEA L8 AND CARBOXAMIDE  
D L10 1-5, ABS, KWIC  
L11 49 SEA IMIDAZOLE (W) 4 (W) ACETIC (W) ACID  
L12 0 SEA L11 AND RIBOSIDE  
L13 0 SEA L11 AND RIBONUCLEOTIDE  
L14 1 SEA L11 AND CARBOHYDRATE  
D L14  
D L14 1 KWIC, AB, STD

L1 ANSWER 1 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 353863-78-2 REGISTRY  
 CN **IAA-like amino acid hydrolase (Clostridium acetobutylicum strain ATCC 824 gene CAC1014) (9CI)** (CA INDEX NAME)

OTHER NAMES:

CN GenBank AE007617-derived protein GI 15023924  
 FS PROTEIN SEQUENCE  
 MF Unspecified  
 CI MAN  
 SR CA  
 LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 2 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 311814-08-1 REGISTRY  
 CN Ergostan-6-one, 2,3,22,23-tetrahydroxy-,  
 (2.alpha.,3.alpha.,5.alpha.,22R,2  
 3R,24S)-, mixt. with 1H-indole-3-acetic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)

OTHER NAMES:

CN **Castasterone-IAA mixt.**  
 FS STEREOSEARCH  
 MF C28 H48 O5 . C10 H9 N O2  
 CI MXS  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXLIT

Ring System Data

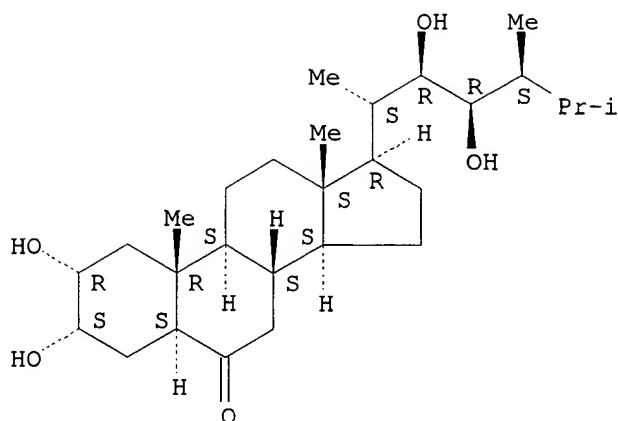
Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2
C5-C6-C6-C6	C5-C6-C6-C6	5-6-6-6	C17	4432.3.1	1 in CM
					1

CM 1

CRN 80736-41-0

CMF C28 H48 O5

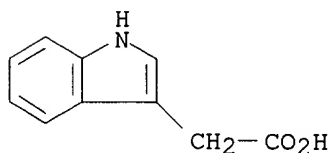
Absolute stereochemistry.



CM 2

CRN 87-51-4

CMF C10 H9 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 3 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 265634-70-6 REGISTRY  
 CN **Transcription factor Aux/IAA (Arabidopsis thaliana gene IAA3/SHY2)**  
 (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE  
 MF Unspecified  
 CI MAN  
 SR CA  
 LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 4 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 231283-90-2 REGISTRY  
 CN Hydrolase, indole-3-acetylalanine (Arabidopsis thaliana columbia gene IAR3) (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN GenBank AC025294-derived protein GI 12321681  
 CN GenBank AF081067-derived protein GI 3421384  
 CN **IAA-Ala hydrolase (IAR3) (Arabidopsis thaliana clone F19C24 gene F19C24.4)**

FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 5 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 230967-60-9 REGISTRY  
CN Hydrolase, indole-2-acetyl amino acid (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **IAA-amino acid hydrolase**  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 6 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 217306-09-7 REGISTRY  
CN **Protein (tobacco clone Nt-iaa-28) (9CI)** (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 7 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 217306-08-6 REGISTRY  
CN **Protein (tobacco clone Nt-iaa-4.1) (9CI)** (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 8 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 217306-07-5 REGISTRY  
CN **Protein (tobacco clone Nt-iaa-4.5) (9CI)** (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified



CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 9 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 217306-06-4 REGISTRY  
CN **Protein (tobacco clone Nt-iaa-4.3) (9CI)** (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 10 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 217306-05-3 REGISTRY  
CN **Protein (tobacco clone Nt-iaa-2.5) (9CI)** (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 11 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 217306-04-2 REGISTRY  
CN **Protein (tobacco clone Nt-iaa-2.3) (9CI)** (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 12 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 168401-38-5 REGISTRY  
CN Esterase, acetyl (Arabidopsis thaliana gene ILL2 reduced) (9CI) (CA INDEX NAME)  
OTHER NAMES:

CN **IAA-amino acid hydrolase homolog (Arabidopsis thaliana gene ILL2**

**reduced)**  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 13 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 168401-37-4 REGISTRY  
CN Esterase, acetyl (Arabidopsis thaliana gene ILL1 reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:  
CN GenBank AF047031-derived protein GI 2921829  
CN Hydrolase, indole-3-acetyl amino acid (Arabidopsis thaliana columbia gene ILL1)  
CN **IAA-amino acid hydrolase homolog (Arabidopsis thaliana gene ILL1 reduced)**  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 14 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 168401-36-3 REGISTRY  
CN Esterase, acetyl (Arabidopsis thaliana clone .lambda.-16 gene ILR1 reduced) (9CI) (CA INDEX NAME)

OTHER NAMES:  
CN **IAA-amino acid hydrolase (Arabidopsis thaliana clone .lambda.-16 gene ILR1 reduced)**  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 15 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 167676-50-8 REGISTRY  
CN DNA (Arabidopsis thaliana gene ILL2 acetyl esterase cDNA plus 3'-flank) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:  
CN Deoxyribonucleic acid (Arabidopsis thaliana gene ILL2 acetyl esterase

messenger RNA-complementary plus 3'-flanking region fragment)  
OTHER NAMES:  
CN Deoxyribonucleic acid (Arabidopsis thaliana gene ILL2 IAA-amino acid  
hydrolase homolog messenger RNA-complementary plus 3'-flanking region  
fragment)  
CN GenBank U23796  
FS NUCLEIC ACID SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS, GENBANK, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 16 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 167676-49-5 REGISTRY  
CN DNA (Arabidopsis thaliana gene ILL1 acetyl esterase cDNA plus 3'-flank)  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:  
CN Deoxyribonucleic acid (Arabidopsis thaliana gene ILL1 acetyl esterase  
messenger RNA-complementary plus 3'-flanking region fragment)

OTHER NAMES:  
CN Deoxyribonucleic acid (Arabidopsis thaliana gene ILL1 IAA-amino acid  
hydrolase homolog messenger RNA-complementary plus 3'-flanking region  
fragment)  
CN GenBank U23795  
FS NUCLEIC ACID SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS, GENBANK, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 17 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 151580-47-1 REGISTRY  
CN DNA (pea clone pIAA4/5.1 gene IAA-4/5 protein cDNA plus flanks)  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:  
CN Deoxyribonucleic acid (pea clone pIAA4/5.1 gene IAA-4/5 protein  
messenger RNA-complementary plus 5'- and 3'-flanking region fragment)

OTHER NAMES:  
CN GenBank X68215  
FS NUCLEIC ACID SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: AGRICOLA, CA, CAPLUS, GENBANK, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 18 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 132580-79-1 REGISTRY  
 CN Hydrolase, 6-O-indoleacetylglucose (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN **6-O(4-O)-IAA-glucose hydrolase**  
 CN 6-O-Indoleacetylglucose hydrolase  
 MF Unspecified  
 CI MAN  
 SR CA  
 LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 19 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 124019-30-3 REGISTRY  
 CN **Vermiculite-Iaa** (Mg0.33[Mg2-3(Al0-1Fe0-1)0-1](Si2.33-3.33Al0.67-1.67)(OH)2O10.4H2O) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Vermiculite-Iaa**  
 MF Al . Fe . 4 H2 O . H O . Mg . O3 Si . O  
 AF Al0.67-2.67 Fe0-1 H2 Mg2.33-3.33 O12 Si2.33-3.33 . 4 H2 O  
 CI MNS  
 SR CA  
 LC STN Files: CA, CAPLUS

CM 1

CRN 122872-60-0  
 CMF Al . Fe . H O . Mg . O3 Si . O  
 CCI TIS

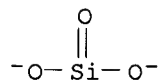
CM 2

CRN 17778-80-2  
 CMF O

O

CM 3

CRN 15593-90-5  
 CMF O3 Si



CM 4

CRN 14280-30-9  
CMF H O

OH<sup>-</sup>

CM 5

CRN 7439-95-4  
CMF Mg

Mg

CM 6

CRN 7439-89-6  
CMF Fe

Fe

CM 7

CRN 7429-90-5  
CMF Al

Al

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 20 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 118851-20-0 REGISTRY  
CN **Clinochlore-Iaa, chromian** ([Mg<sub>5</sub>(Al<sub>0.5</sub>-0.9Cr<sub>0.1</sub>-0.5)](Si<sub>3</sub>Al)(OH)<sub>8</sub>O<sub>10</sub>)  
(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **Chromian clinochlore-Iaa**  
MF Al . Cr . H O . Mg . O<sub>3</sub> Si . O  
AF Al<sub>1.5</sub>-1.9 Cr<sub>0.1</sub>-0.5 H<sub>8</sub> Mg<sub>5</sub> O<sub>18</sub> Si<sub>3</sub>  
CI MNS, TIS  
SR CA  
LC STN Files: CA, CAPLUS

Component	Ratio	Component Registry Number
O	1	17778-80-2
O <sub>3</sub> Si	3	15593-90-5

HO		8		14280-30-9
Cr		0.1 - 0.5		7440-47-3
Mg		5		7439-95-4
Al		1.5 - 1.9		7429-90-5

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

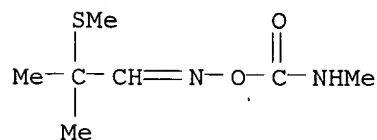
L1 ANSWER 21 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 118413-06-2 REGISTRY  
CN 1H-Indole-3-acetic acid, mixt. with 2-methyl-2-(methylthio)propanal  
O-[(methylamino)carbonyl]oxime (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime, mixt.  
contg. (9CI)  
OTHER NAMES:  
CN **IAA-aldicarb mixt.**  
MF C10 H9 N O2 . C7 H14 N2 O2 S  
CI MXS  
SR CA  
LC STN Files: CA, CAPLUS, TOXLIT

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2

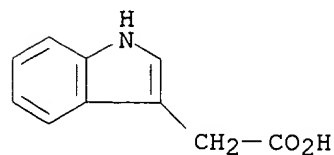
CM 1

CRN 116-06-3  
CMF C7 H14 N2 O2 S



CM 2

CRN 87-51-4  
CMF C10 H9 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

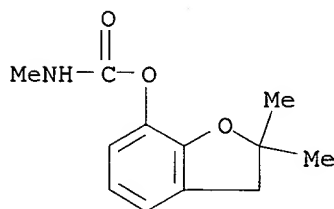
L1 ANSWER 22 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 118413-05-1 REGISTRY  
 CN 1H-Indole-3-acetic acid, mixt. with 2,3-dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-, methylcarbamate, mixt. contg. (9CI)  
 OTHER NAMES:  
 CN **IAA-carbofuran mixt.**  
 MF C12 H15 N O3 . C10 H9 N O2  
 CI MXS  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXLIT

# Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
=====	=====	=====	=====	=====	=====
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2
C4O-C6	OC4-C6	5-6	C8O	333.200.31	1 in CM
					1

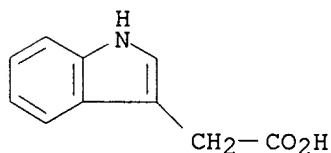
CM 1

CRN 1563-66-2  
 CMF C12 H15 N O3



CM 2

CRN 87-51-4  
 CMF C10 H9 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 23 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 88750-30-5 REGISTRY  
CN 1H-Indole-3-acetic acid, mixt. with thiourea (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Thiourea, mixt. contg. (9CI)  
OTHER NAMES:  
CN **Thiourea-IAA mixt.**  
MF C10 H9 N O2 . C H4 N2 S  
CI MXS  
LC STN Files: CA, CAPLUS, TOXLIT

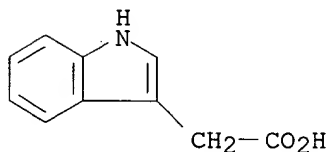
Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					1

CM 1

CRN 87-51-4

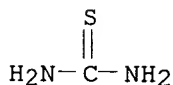
CMF C10 H9 N O2



CM 2

CRN 62-56-6

CMF C H4 N2 S



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 24 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 85876-22-8 REGISTRY  
CN Peroxidase, indoleacetate (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **IAA peroxidase**  
MF Unspecified



CI MAN  
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
7 REFERENCES IN FILE CA (1967 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1967 TO DATE)

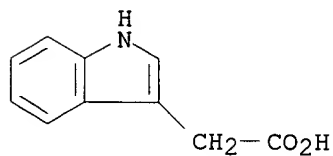
L1 ANSWER 25 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 78783-18-3 REGISTRY  
CN 1H-Indole-3-acetic acid, mixt. with 3-[[3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-1,4,5-trihydroxycyclohexanecarboxylic acid 4(or 5)-[3-(3,4-dihydroxyphenyl)-2-propenoate] (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Cyclohexanecarboxylic acid, 3-[[3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-1,4,5-trihydroxy-, 4(or 5)-[3-(3,4-dihydroxyphenyl)-2-propenoate], mixt. contg. (9CI)  
OTHER NAMES:  
CN **IAA-isochlorogenic acid mixt.**  
MF C25 H24 O12 . C10 H9 N O2  
CI MXS  
LC STN Files: CA, CAPLUS, TOXLIT

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
=====	=====	=====	=====	=====	=====
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					1
C6	C6	6	C6	46.150.18	1 in CM
					3 1 in CM
					4
C6	C6	6	C6	46.150.1	1 in CM
					3

CM 1

CRN 87-51-4  
CMF C10 H9 N O2

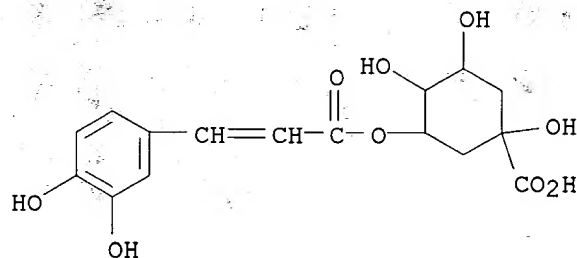


CM 2

CRN 78783-17-2  
CMF C25 H24 O12  
CCI IDS

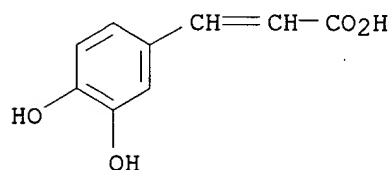
CM 3

CRN 72690-58-5  
CMF C16 H18 O9



CM 4

CRN 331-39-5  
CMF C9 H8 O4



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

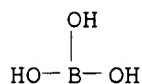
L1 ANSWER 26 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 77850-41-0 REGISTRY  
CN 1H-Indole-3-acetic acid, mixt. with boric acid (H3BO3) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Boric acid (H3BO3), mixt. contg. (9CI)  
OTHER NAMES:  
CN **IAA-boric acid mixt.**  
MF C10 H9 N O2 . B H3 O3  
CI MXS  
LC STN Files: CA, CAPLUS, TOXLIT

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2

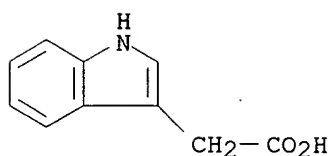
CM 1

CRN 10043-35-3  
CMF B H3 O3



CM 2

CRN 87-51-4  
CMF C10 H9 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 27 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 74082-56-7 REGISTRY  
CN Glucosyltransferase, uridine diphosphoglucose-indoleacetate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **IAA-glucose synthase**  
CN Indoleacetate glucosyltransferase  
CN Uridine diphosphoglucose-indoleacetate glucosyltransferase  
DR 139074-26-3  
MF Unspecified  
CI MAN  
LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

12 REFERENCES IN FILE CA (1967 TO DATE)  
12 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 28 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 71148-24-8 REGISTRY  
CN Ethanaminium, 2-chloro-N,N,N-trimethyl-, chloride, mixt. with 1H-indole-3-acetic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)

OTHER NAMES:

CN **CCC-IAA mixt.**  
MF C10 H9 N O2 . C5 H13 Cl N . Cl  
CI MXS  
LC STN Files: CA, CAPLUS, TOXLIT

Ring System Data

Elemental	Elemental	Size of	Ring System	Ring	RID
-----------	-----------	---------	-------------	------	-----

Analysis	Sequence	the Rings	Formula	Identifier	Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2

CM 1

CRN 999-81-5 (7003-89-6)

CMF C5 H13 Cl N . Cl

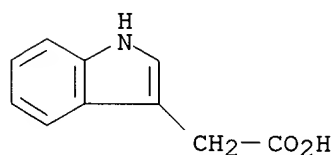
Me<sub>3</sub><sup>+</sup>N-CH<sub>2</sub>-CH<sub>2</sub>Cl

● Cl<sup>-</sup>

CM 2

CRN 87-51-4

CMF C10 H9 N O2



2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 29 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 71102-56-2 REGISTRY

CN 1H-Indole-3-acetic acid, mixt. with 1,2-benzenediol (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Benzenediol, mixt. contg. (9CI)

OTHER NAMES:

CN **IAA-catechol mixt.**

MF C10 H9 N O2 . C6 H6 O2

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

#### Ring System Data

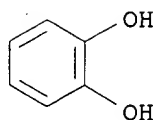
Elemental	Elemental	Size of	Ring System	Ring	RID
Analysis	Sequence	the Rings	Formula	Identifier	Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2

C6	C6	6	C6	46.150.18	1 in CM
					1

CM 1

CRN 120-80-9

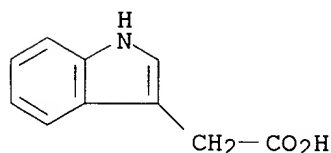
CMF C6 H6 O2



CM 2

CRN 87-51-4

CMF C10 H9 N O2



2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 30 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 70181-56-5 REGISTRY

CN 1H-Indole-3-acetic acid, mixt. with 1,4-benzenediol and  
N-(2-furanylmethyl)-1H-purin-6-amine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,4-Benzenediol, mixt. contg. (9CI)

CN 1H-Purin-6-amine, N-(2-furanylmethyl)-, mixt. contg. (9CI)

OTHER NAMES:

CN **IAA-kinetin-hydroquinone mixt.**

MF C10 H9 N5 O . C10 H9 N O2 . C6 H6 O2

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

Ring System Data

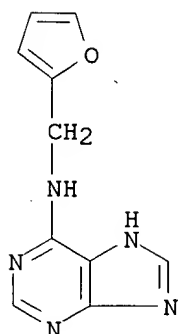
Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					3
C6	C6	6	C6	46.150.18	1 in CM
					2
C4O	OC4	5	C4O	16.138.5	1 in CM
					1

C3N2-C4N2|NCNC2-NCNC3|5-6 |C5N4 |333.446.97| 1 in CM  
 | | |1

CM 1

CRN 525-79-1

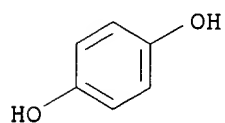
CMF C10 H9 N5 O



CM 2

CRN 123-31-9

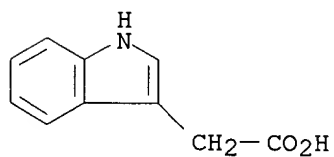
CMF C6 H6 O2



CM 3

CRN 87-51-4

CMF C10 H9 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 31 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 67725-81-9 REGISTRY

CN 1H-Indole-3-acetic acid, mixt. with (2-chloroethyl)phosphonic acid (9CI)  
 (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN Phosphonic acid, (2-chloroethyl)-, mixt. contg. (9CI)

## OTHER NAMES:

CN **IAA-ethephon mixt.**

MF C10 H9 N O2 . C2 H6 Cl O3 P

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

## Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2

CM 1

CRN 16672-87-0

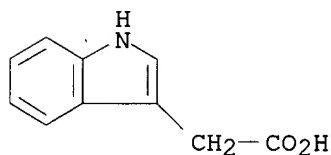
CMF C2 H6 Cl O3 P

ClCH<sub>2</sub>-CH<sub>2</sub>-PO<sub>3</sub>H<sub>2</sub>

CM 2

CRN 87-51-4

CMF C10 H9 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 32 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 67250-61-7 REGISTRY

CN Rifamycin, 3-[[ (4-methyl-1-piperazinyl)imino]methyl]-, mixt. with 1H-indole-3-acetic acid (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)

CN 2,7-(Epoxy pentadeca[1,11,13]trienimino)naphtho[2,1-b]furan, rifamycin deriv.

## OTHER NAMES:

CN **IAA-rifampicin mixt.**

FS STEREOSEARCH

MF C43 H58 N4 O12 . C10 H9 N O2

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

# Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
C4N2	NC2NC2	6	C4N2	46.383.1	2 1 in CM
C40-C6-C6- C22NO	OC4-C6-C6- NC7OC15	5-6-6-24	C27NO2	11956.1.11	1 1 in CM

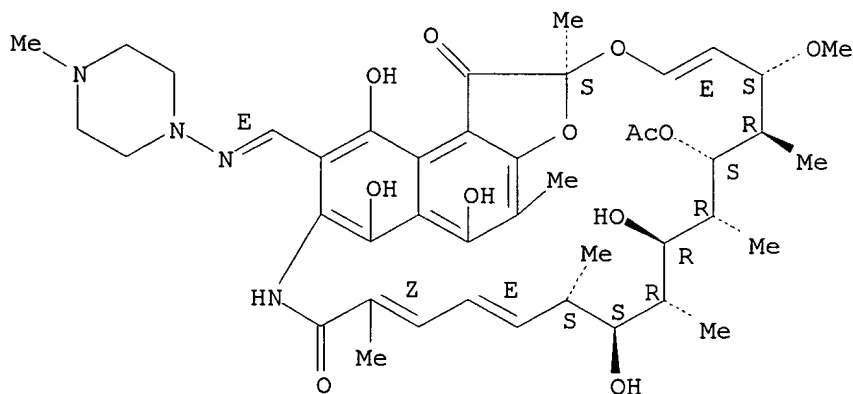
CM 1

CRN 13292-46-1

CMF C43 H58 N4 O12

Absolute stereochemistry.

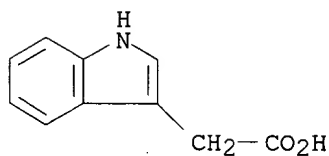
Double bond geometry as described by E or Z.



CM 2

CRN 87-51-4

CMF C10 H9 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 33 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 67250-60-6 REGISTRY



CN 1H-Indole-3-acetic acid, mixt. with 2H-1-benzopyran-2-one (9CI) (CA INDEX

NAME)

OTHER CA INDEX NAMES:

CN 2H-1-Benzopyran-2-one, mixt. contg. (9CI)

OTHER NAMES:

CN Heteroauxin-coumarin mixt.

CN **IAA-coumarin mixt.**

CN Indoleacetic acid-coumarin mixt.

MF C10 H9 N O2 . C9 H6 O2

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

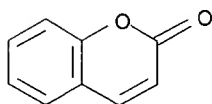
#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2
C5O-C6	OC5-C6	6-6	C9O	591.146.35	1 in CM
					1

CM 1

CRN 91-64-5

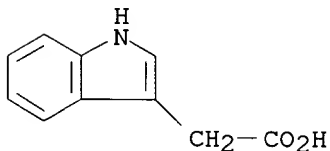
CMF C9 H6 O2



CM 2

CRN 87-51-4

CMF C10 H9 N O2



3 REFERENCES IN FILE CA (1967 TO DATE)

3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 34 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 66015-30-3 REGISTRY

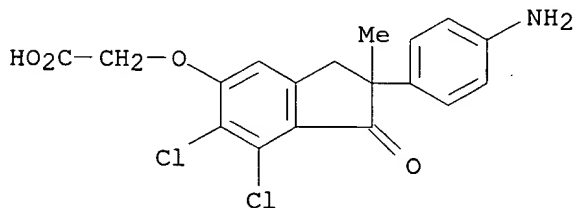
CN Acetic acid, [[2-(4-aminophenyl)-6,7-dichloro-2,3-dihydro-2-methyl-1-oxo-1H-inden-5-yl]oxy]- (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN **IAA 23**  
 FS 3D CONCORD  
 DR 57296-93-2  
 MF C18 H15 Cl2 N O4  
 LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAPLUS, IFICDB, IFIPAT,  
 IFIUDB, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

## Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C6	C6	6	C6	46.150.18	1
C5-C6	C5-C6	5-6	C9	333.70.44	1



3 REFERENCES IN FILE CA (1967 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 35 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 65296-35-7 REGISTRY  
 CN 1H-Indole-3-acetic acid, mixt. with 1-naphthalenol (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1-Naphthalenol, mixt. contg. (9CI)  
 OTHER NAMES:  
 CN **.alpha.-Naphthol-IAA mixt.**  
 MF C10 H9 N O2 . C10 H8 O  
 CI MXS  
 LC STN Files: CA, CAPLUS, TOXLIT

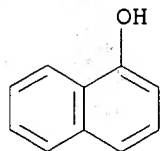
## Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2
C6-C6	C6-C6	6-6	C10	591.49.57	1 in CM
					1

CM 1

CRN 90-15-3

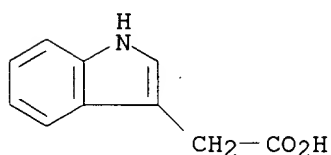
CMF C10 H8 O



CM 2

CRN 87-51-4

CMF C10 H9 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 36 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 63567-58-8 REGISTRY

CN 1H-Indole-3-acetic acid, mixt. with 1-naphthaleneacetic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Naphthaleneacetic acid, mixt. contg. (9CI)

OTHER NAMES:

CN **IAA-NAA mixt.**

CN Indoleacetic acid-.alpha.-naphthaleneacetic acid mixt.

MF C12 H10 O2 . C10 H9 N O2

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

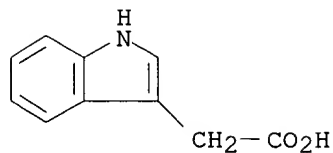
#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C6-C6	C6-C6	6-6	C10	591.49.57	1 in CM
					2
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					1

CM 1

CRN 87-51-4

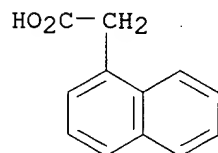
CMF C10 H9 N O2



CM 2

CRN 86-87-3

CMF C12 H10 O2



5 REFERENCES IN FILE CA (1967 TO DATE)

5 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 37 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 63567-57-7 REGISTRY

CN 1H-Indole-3-butanoic acid, mixt. with 1H-indole-3-acetic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)

OTHER NAMES:

CN **IAA-IBA mixt.**

MF C12 H13 N O2 . C10 H9 N O2

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

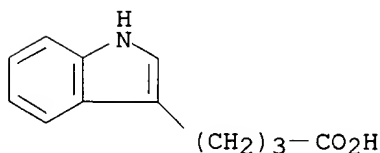
#### Ring System Data

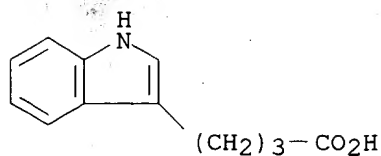
Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					1 1 in CM
					2

CM 1

CRN 133-32-4

CMF C12 H13 N O2

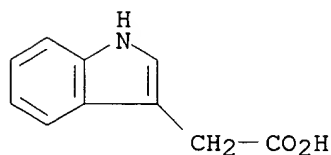




CM 2

CRN 87-51-4

CMF C10 H9 N O2



7 REFERENCES IN FILE CA (1967 TO DATE)

7 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 38 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 63352-97-6 REGISTRY

CN 1H-Indole-3-acetic acid, 7-bromo- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 7-Bromo-3-indoleacetic acid

CN **7-Bromo-IAA**

FS 3D CONCORD

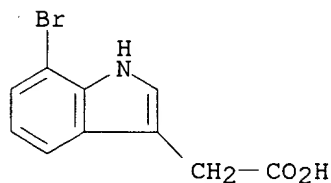
MF C10 H8 Br N O2

LC STN Files: BEILSTEIN\*, CA, CAPLUS, TOXLIT

(\*File contains numerically searchable property data)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



9 REFERENCES IN FILE CA (1967 TO DATE)

9 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 39 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 63352-96-5 REGISTRY

CN 1H-Indole-3-acetic acid, 4,7-dichloro- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 4,7-Dichloro-3-indoleacetic acid

CN **4,7-Dichloro-IAA**

FS 3D CONCORD

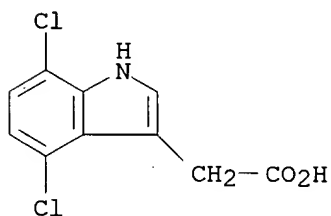
MF C10 H7 Cl2 N O2

LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, TOXLIT

(\*File contains numerically searchable property data)

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



14 REFERENCES IN FILE CA (1967 TO DATE)

14 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 40 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 63352-95-4 REGISTRY

CN 1H-Indole-3-acetic acid, 4,6-dichloro- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 4,6-Dichloro-3-indoleacetic acid

CN **4,6-Dichloro-IAA**

FS 3D CONCORD

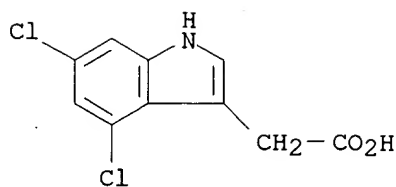
MF C10 H7 Cl2 N O2

LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAPLUS, CASREACT, TOXLIT

(\*File contains numerically searchable property data)

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



13 REFERENCES IN FILE CA (1967 TO DATE)  
13 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 41 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 60829-69-8 REGISTRY  
CN Gibb-3-ene-1,10-dicarboxylic acid,  
2,4a,7-trihydroxy-1-methyl-8-methylene-  
1,4a-lactone, (1.alpha.,2.beta.,4a.alpha.,4b.beta.,10.beta.)-, mixt.  
with 2-chloro-N,N,N-trimethylethanaminium chloride and 1H-indole-3-acetic  
acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)  
CN 4a,1-(Epoxymethano)-7,9a-methanobenz[a]azulene, gibb-3-ene-1,10-  
dicarboxylic acid deriv.  
CN Ethanaminium, 2-chloro-N,N,N-trimethyl-, chloride, mixt. contg. (9CI)

OTHER NAMES:

CN **Cycocel-gibberellic acid-IAA mixt.**  
FS STEREOSEARCH  
MF C19 H22 O6 . C10 H9 N O2 . C5 H13 Cl N . Cl  
CI MXS  
LC STN Files: CA, CAPLUS, TOXLIT

Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C4O-C5-C5-C6-	OC4-C5-C5-C6-	5-5-5-6-6	Cl6O	4044.1.4	1 in CM
C6	C6				3
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2

CM 1

CRN 999-81-5 (7003-89-6)  
CMF C5 H13 Cl N . Cl

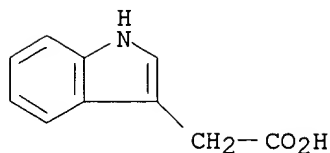
Me<sub>3</sub><sup>+</sup>N-CH<sub>2</sub>-CH<sub>2</sub>Cl

Cl<sup>-</sup>

CM 2

CRN 87-51-4

CMF C10 H9 N O2

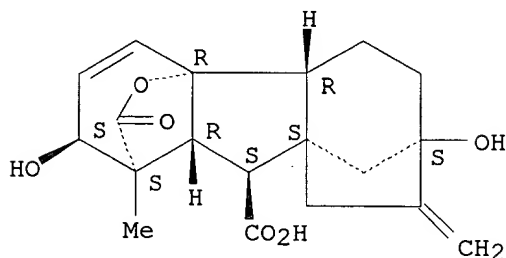


CM 3

CRN 77-06-5

CMF C19 H22 O6

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 42 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 55966-33-1 REGISTRY

CN Gibb-3-ene-1,10-dicarboxylic acid,

2,4a,7-trihydroxy-1-methyl-8-methylene-

, 1,4a-lactone, (1.alpha.,2.beta.,4a.alpha.,4b.beta.,10.beta.)-, mixt.  
with N-(2-furanylmethyl)-1H-purin-6-amine and 1H-indole-3-acetic acid

(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)

CN 1H-Purin-6-amine, N-(2-furanylmethyl)-, mixt. contg. (9CI)

CN 4a,1-(Epoxymethano)-7,9a-methanobenz[a]azulene, gibb-3-ene-1,10-  
dicarboxylic acid deriv.

OTHER NAMES:

CN **IAA-gibberellic acid-kinetin mixt.**

CN **Kinetin-IAA-gibberellic acid mixt.**

FS STEREOSEARCH

MF C19 H22 O6 . C10 H9 N5 O . C10 H9 N O2

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

Ring System Data

Elemental	Elemental	Size of	Ring System	Ring	RID
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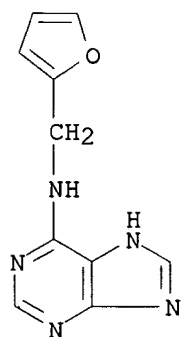


Analysis EA	Sequence ES	the Rings SZ	Formula RF	Identifier RTD	Occurrence Count
C4O-C5-C5-C6- C6	OC4-C5-C5-C6- C6	5-5-5-6-6	C16O	4044.1.4	1 in CM 3
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM 2
C4O	OC4	5	C4O	16.138.5	1 in CM 1
C3N2-C4N2	NCNC2-NCNC3	5-6	C5N4	333.446.97	1 in CM 1

CM 1

CRN 525-79-1

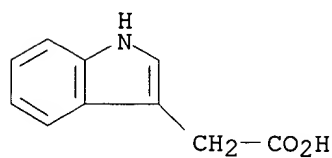
CMF C10 H9 N5 O



CM 2

CRN 87-51-4

CMF C10 H9 N O2

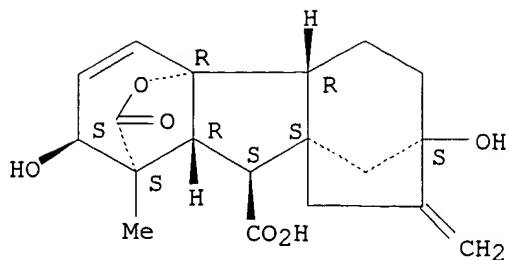


CM 3

CRN 77-06-5

CMF C19 H22 O6

Absolute stereochemistry.



9 REFERENCES IN FILE CA (1967 TO DATE)  
9 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 43 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 55172-47-9 REGISTRY  
CN D-Glucose, mixt. with 1H-indole-3-acetic acid (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)  
OTHER NAMES:  
CN **Glucose-IAA mixt.**  
CN **IAA-glucose mixt.**  
FS STEREOSEARCH  
MF C10 H9 N O2 . C6 H12 O6  
CI MXS  
LC STN Files: AGRICOLA, CA, CAPLUS, TOXLIT

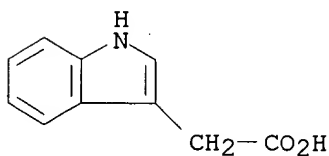
#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
=====	=====	=====	=====	=====	=====
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					1

CM 1

CRN 87-51-4

CMF C10 H9 N O2

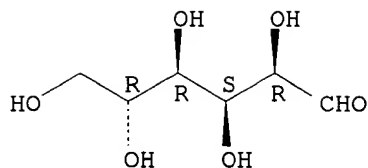


CM 2

CRN 50-99-7

CMF C6 H12 O6

Absolute stereochemistry.

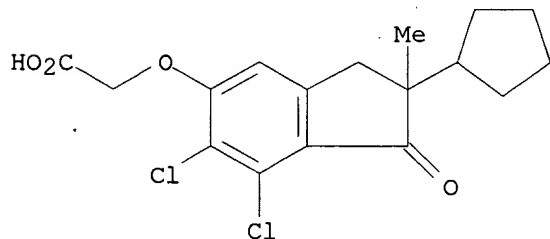


2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 44 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 53108-00-2 REGISTRY  
CN Acetic acid, [(6,7-dichloro-2-cyclopentyl-2,3-dihydro-2-methyl-1-oxo-1H-inden-5-yl)oxy]- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Acetic acid, [(6,7-dichloro-2-cyclopentyl-2,3-dihydro-2-methyl-1-oxo-1H-inden-5-yl)oxy]-, (.+-.)-  
OTHER NAMES:  
CN (.+-.)-[(6,7-Dichloro-2-cyclopentyl-2-methyl-1'-oxo-5-indanyl)oxy]acetic acid  
CN (2-Cyclopentyl-6,7-dichloro-2-methyl-1-oxo-5-indanyloxy)acetic acid  
CN **IAA 94**  
CN **IAA 94/95**  
CN MK 473  
DR 54197-05-6  
MF C17 H18 Cl2 O4  
CI COM  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, PHAR, RTECS\*, TOXLINE, TOXLIT, USPATFULL  
(\*File contains numerically searchable property data)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C5	C5	5	C5	16.127.1	1
C5-C6	C5-C6	5-6	C9	333.70.44	1



29 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 29 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 45 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 52683-45-1 REGISTRY  
 CN Gibb-3-ene-1,10-dicarboxylic acid,  
 2,4a,7-trihydroxy-1-methyl-8-methylene-  
 , 1,4a-lactone, (1.alpha.,2.beta.,4a.alpha.,4b.beta.,10.beta.)-, mixt.  
 with 1H-indole-3-acetic acid (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)  
 CN 4a,1-(Epoxyethano)-7,9a-methanobenz[a]azulene, gibb-3-ene-1,10-  
 dicarboxylic acid deriv.  
 OTHER NAMES:  
 CN **GA3-IAA mixt.**  
 CN **Gibberellic acid-IAA mixt.**  
 CN **Gibberellic acid-IAA mixture**  
 CN Gibberellin A3-indoleacetate mixt.  
 CN **IAA-GA3 mixt.**  
 CN **IAA-gibberellic acid mixt.**  
 CN Indole-3-acetic acid-gibberellic acid mixt.  
 FS STEREOSEARCH  
 MF C19 H22 O6 . C10 H9 N O2  
 CI MXS  
 LC STN Files: CA, CAPLUS, TOXLIT

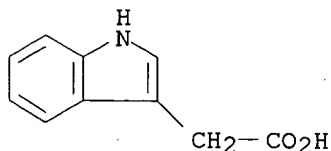
#### Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
=====	=====	=====	=====	=====	=====
C4O-C5-C5-C6- C6	OC4-C5-C5-C6- C6	5-5-5-6-6	C16O	4044.1.4	1 in CM 2
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM 1

CM 1

CRN 87-51-4

CMF C10 H9 N O2

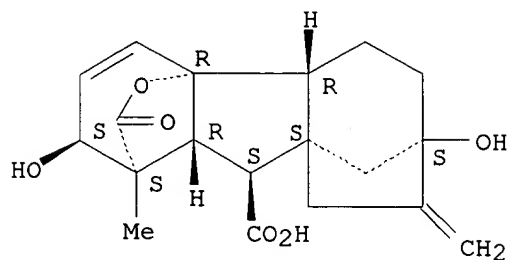


CM 2

CRN 77-06-5

CMF C19 H22 O6

Absolute stereochemistry.



28 REFERENCES IN FILE CA (1967 TO DATE)  
28 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 46 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 52627-80-2 REGISTRY  
CN 1H-Indole-3-acetic acid, mixt. with  
[S-(Z,E)]-5-(1-hydroxy-2,6,6-trimethyl-  
4-oxo-2-cyclohexen-1-yl)-3-methyl-2,4-pentadienoic acid (9CI) (CA INDEX  
NAME)

OTHER CA INDEX NAMES:

CN 2,4-Pentadienoic acid, 5-(1-hydroxy-2,6,6-trimethyl-4-oxo-2-cyclohexen-1-  
yl)-3-methyl-, [S-(Z,E)]-, mixt. contg. (9CI)

OTHER NAMES:

CN **Abcisisic acid-IAA mixt.**  
FS STEREOSEARCH  
MF C15 H20 O4 . C10 H9 N O2  
CI MXS  
LC STN Files: CA, CAPLUS, TOXLIT

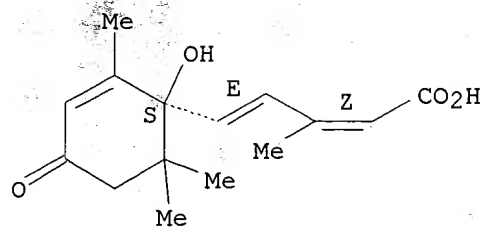
Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2
C6	C6	6	C6	46.150.2	1 in CM
					1

CM 1

CRN 21293-29-8  
CMF C15 H20 O4

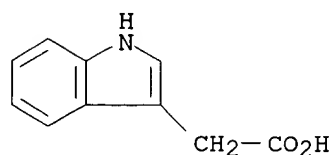
Absolute stereochemistry. Rotation (+).  
Double bond geometry as shown.



CM 2

CRN 87-51-4

CMF C10 H9 N O2



6 REFERENCES IN FILE CA (1967 TO DATE)

6 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 47 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 51635-75-7 REGISTRY

CN Phenothiazin-5-ium, 3,7-bis(dimethylamino)-, chloride, mixt. with 1H-indole-3-acetic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)

OTHER NAMES:

CN **IAA-methylene blue mixt.**

CN **IAA-methylene blue mixture**

MF C16 H18 N3 S . C10 H9 N O2 . Cl

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

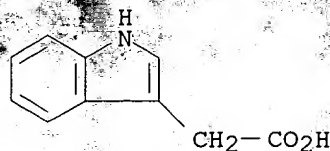
#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4NS-C6-C6	NC2SC2-C6-C6	6-6-6	C12NS	2508.272.19	1 in CM
					2
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					1

CM 1

CRN 87-51-4

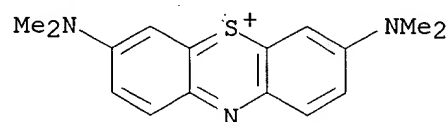
CMF C10 H9 N O2



CM 2

CRN 61-73-4 (7060-82-4)

CMF C16 H18 N3 S . Cl



● Cl<sup>-</sup>

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 48 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 51394-29-7 REGISTRY

CN 1H-Indole-3-acetic acid, mixt. with 3-pyridinecarboxylic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 3-Pyridinecarboxylic acid, mixt. contg. (9CI)

OTHER NAMES:

CN **Niacin-IAA mixt.**

CN **Niacin-IAA mixture**

MF C10 H9 N O2 . C6 H5 N O2

CI MXS

LC STN Files: CA, CAPLUS, TOXLIT

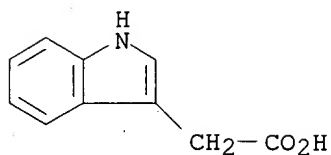
#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C5N	NC5	6	C5N	46.156.30	1 in CM
					2
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					1

CM 1

CRN 87-51-4

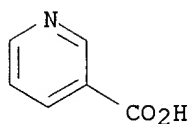
CMF C10 H9 N O2



CM 2

CRN 59-67-6

CMF C6 H5 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 49 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 49561-84-4 REGISTRY

CN 1H-Indole-3-acetic acid, compd. with N-(phenylmethyl)-1H-purin-6-amine (1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Purin-6-amine, N-(phenylmethyl)-, mono(1H-indole-3-acetate) (9CI)

OTHER NAMES:

CN **IAA-benzyladenine**

MF C12 H11 N5 . C10 H9 N O2

LC STN Files: BIOSIS, CA, CAPLUS, TOXLIT

#### Ring System Data

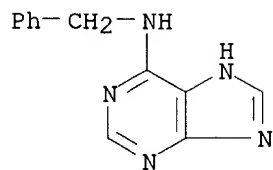
Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
C6	C6	6	C6	46.150.18	2
C3N2-C4N2	NCNC2-NCNC3	5-6	C5N4	333.446.97	1 in CM
					1

CM 1

CRN 1214-39-7

CMF C12 H11 N5

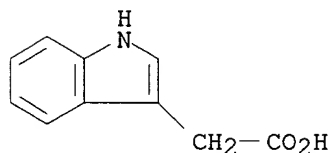




CM 2

CRN 87-51-4

CMF C10 H9 N O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 50 OF 71 REGISTRY COPYRIGHT 2001 ACS

RN 40432-84-6 REGISTRY

CN 1H-Indole-3-acetic acid, 5-bromo- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 5-Bromo-3-indoleacetic acid

CN **5-Bromo-IAA**

FS 3D CONCORD

MF C10 H8 Br N O2

CI COM

LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, TOXLIT, USPATFULL

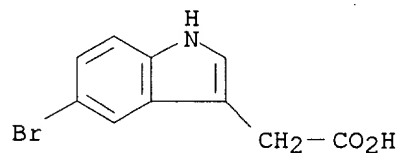
(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



31 REFERENCES IN FILE CA (1967 TO DATE)

# 31 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 51 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 39341-90-7 REGISTRY  
 CN Synthetase, indoleacetate (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN Cytokinin synthase  
 CN **IAA synthetase**  
 CN Indole-3-acetate synthase  
 CN Indole-3-acetic acid synthetase  
 CN Indoleacetic acid synthetase  
 MF Unspecified  
 CI MAN  
 LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, TOXLIT, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
 25 REFERENCES IN FILE CA (1967 TO DATE)  
 25 REFERENCES IN FILE CAPLUS (1967 TO DATE)

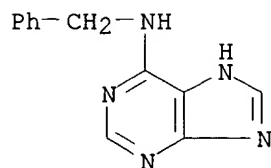
L1 ANSWER 52 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 37381-00-3 REGISTRY  
 CN 1H-Indole-3-acetic acid, mixt. with N-(phenylmethyl)-1H-purin-6-amine  
 (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1H-Purin-6-amine, N-(phenylmethyl)-, mixt. contg. (9CI)  
 OTHER NAMES:  
 CN **6-BAP-IAA mixt.**  
 CN **IAA-6-BAP mixt.**  
 CN **IAA-6-benzylaminopurine mixt.**  
 CN **IAA-BAP mixture**  
 CN **IAA-benzyladenine mixt.**  
 CN Indolylacetic acid-6-benzyladenine mixt.  
 MF C12 H11 N5 . C10 H9 N O2  
 CI MXS  
 LC STN Files: CA, CAPLUS, TOXLIT

## Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2
C6	C6	6	C6	46.150.18	1 in CM
					1
C3N2-C4N2	NCNC2-NCNC3	5-6	C5N4	333.446.97	1 in CM
					1

CM 1

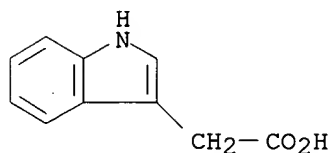
CRN 1214-39-7  
 CMF C12 H11 N5



CM 2

CRN 87-51-4

CMF C10 H9 N O2



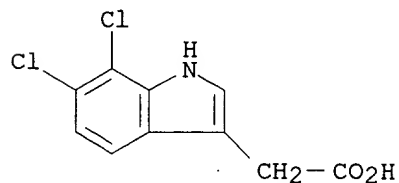
16 REFERENCES IN FILE CA (1967 TO DATE)

16 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 53 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 33297-41-5 REGISTRY  
 CN 1H-Indole-3-acetic acid, 6,7-dichloro- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, 6,7-dichloro- (8CI)  
 OTHER NAMES:  
 CN 6,7-Dichloro-3-indoleacetic acid  
 CN **6,7-Dichloro-IAA**  
 FS 3D CONCORD  
 MF C10 H7 Cl2 N O2  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, TOXLIT  
 (\*File contains numerically searchable property data)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



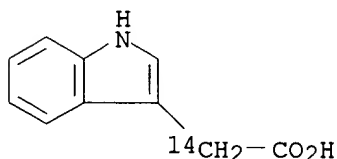
9 REFERENCES IN FILE CA (1967 TO DATE)

9 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 54 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 32022-69-8 REGISTRY  
 CN 1H-Indole-3-acetic-.alpha.-14C acid (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic-.alpha.-14C acid (8CI)  
 OTHER NAMES:  
 CN **IAA-2-14C**  
 CN Indoleacetic-14C acid  
 MF C10 H9 N O2  
 CI COM  
 LC STN Files: AGRICOLA, CA, CAPLUS, TOXLIT

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



6 REFERENCES IN FILE CA (1967 TO DATE)  
 6 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 55 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 9027-85-4 REGISTRY  
 CN Oxidase, indoleacetate (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN .beta.-Indoleacetic acid oxidase  
 CN 1H-Indole-3-acetic acid oxidase  
 CN Auxin oxidase  
 CN **IAA oxidase**  
 CN Indolacetic acid oxidase  
 CN Indole-3-acetate oxidase  
 CN Indole-3-acetic acid oxidase  
 CN Indoleacetate oxidase  
 CN Indoleacetic acid oxidase  
 CN Indoleacetic oxidase  
 CN Indolylacetic acid oxidase  
 CN Oxidase, auxin  
 MF Unspecified  
 CI MAN  
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, NAPRALERT, TOXLIT

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

719 REFERENCES IN FILE CA (1967 TO DATE)  
 719 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 56 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 8073-67-4 REGISTRY  
 CN 1H-Indole-3-acetic acid, mixt. with N-(2-furanylmethyl)-1H-purin-6-amine  
 (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1H-Purin-6-amine, N-(2-furanylmethyl)-, mixt. contg. (9CI)  
 OTHER NAMES:  
 CN **IAA-kinetin mixt.**  
 CN Indole-3-acetic acid mixt. with kinetin  
 CN **Kinetin-IAA mixt.**  
 MF C10 H9 N5 O . C10 H9 N O2  
 CI MXS  
 LC STN Files: AGRICOLA, CA, CAPLUS, TOXLIT

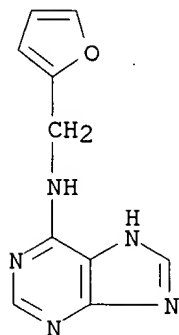
Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
C4O	OC4	5	C4O	16.138.5	1 in CM
C3N2-C4N2	NCNC2-NCNC3	5-6	C5N4	333.446.97	1 in CM
					1

CM 1

CRN 525-79-1

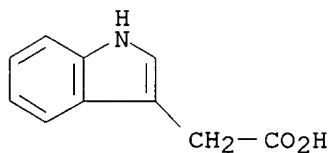
CMF C10 H9 N5 O



CM 2

CRN 87-51-4

CMF C10 H9 N O2



23 REFERENCES IN FILE CA (1967 TO DATE)  
 23 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 57 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 8073-65-2 REGISTRY  
 CN 1H-Indole-3-acetic acid, mixt. with 1,2-dihydro-3,6-pyridazinedione (9CI)  
 (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 3,6-Pyridazinedione, 1,2-dihydro-, mixt. contg. (9CI)  
 OTHER NAMES:  
 CN **IAA-MH mixt.**  
 CN Indole-3-acetic acid mixt. with maleic hydrazide  
 MF C10 H9 N O2 . C4 H4 N2 O2  
 CI MXS  
 LC STN Files: CA, CAPLUS, TOXLIT

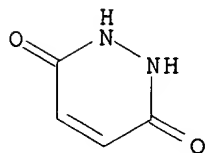
#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
=====	=====	=====	=====	=====	=====
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2
C4N2	N2C4	6	C4N2	46.169.19	1 in CM
					1

CM 1

CRN 123-33-1

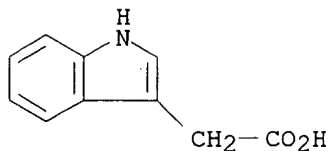
CMF C4 H4 N2 O2



CM 2

CRN 87-51-4

CMF C10 H9 N O2



2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

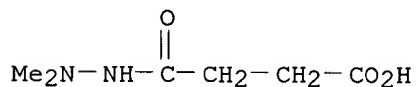
L1 ANSWER 58 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 8070-69-7 REGISTRY  
CN Butanedioic acid, mono(2,2-dimethylhydrazide), mixt. with  
1H-indole-3-acetic acid (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1H-Indole-3-acetic acid, mixt. contg. (9CI)  
OTHER NAMES:  
CN **IAA-alar mixt.**  
MF C10 H9 N O2 . C6 H12 N2 O3  
CI MXS  
LC STN Files: CA, CAPLUS, TOXLIT

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1 in CM
					2

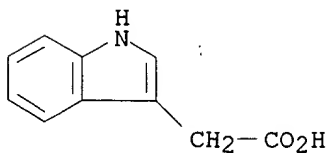
CM 1

CRN 1596-84-5  
CMF C6 H12 N2 O3



CM 2

CRN 87-51-4  
CMF C10 H9 N O2



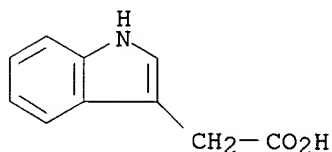
2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 59 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 6505-45-9 REGISTRY  
 CN 1H-Indole-3-acetic acid, monosodium salt (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, monosodium salt (8CI)  
 OTHER NAMES:  
 CN **.beta.-IAA sodium salt**  
 CN Sodium indole-3-acetate  
 CN Sodium indoleacetate  
 MF C10 H9 N O2 . Na  
 CI COM  
 LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, DETHERM\*, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)  
 CRN (87-51-4)

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



● Na

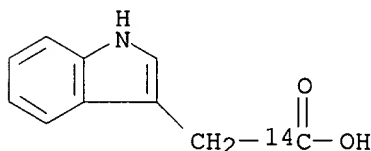
23 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 23 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L1 ANSWER 60 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 4384-79-6 REGISTRY  
 CN 1H-Indole-3-acetic-carboxy-14C acid (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic-carboxy-14C acid (7CI)  
 OTHER NAMES:  
 CN **IAA-1-14C**  
 CN Indoleacetic acid-1-14C  
 MF C10 H9 N O2  
 LC STN Files: AGRICOLA, BEILSTEIN\*, CA, CAOLD, CAPLUS, CHEMCATS, CSCHEM, TOXLIT  
 (\*File contains numerically searchable property data)



# Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1

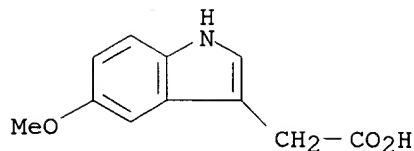


7 REFERENCES IN FILE CA (1967 TO DATE)  
 7 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 61 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 3471-31-6 REGISTRY  
 CN 1H-Indole-3-acetic acid, 5-methoxy- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, 5-methoxy- (6CI, 7CI, 8CI)  
 OTHER NAMES:  
 CN 2-(5-Methoxy-3-indolyl)acetic acid  
 CN 5-Methoxy-1H-indole-3-acetic acid  
 CN 5-Methoxy-3-indoleacetic acid  
 CN 5-Methoxy-3-indolylacetic acid  
 CN **5-Methoxy-IAA**  
 CN 5-Methoxyindoleacetic acid  
 CN 5-Methoxyindole-3-acetic acid  
 CN Methoxyindoleacetic acid  
 FS 3D CONCORD  
 DR 110885-75-1  
 MF C11 H11 N O3  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS,  
 CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, HODOC\*, MEDLINE, NAPRALERT,  
 RTECS\*, SPECINFO, TOXLINE, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

# Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1

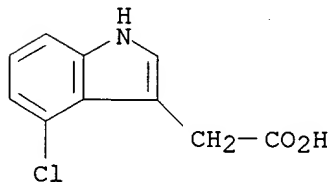


244 REFERENCES IN FILE CA (1967 TO DATE)  
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 244 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 23 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 62 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 2519-61-1 REGISTRY  
 CN 1H-Indole-3-acetic acid, 4-chloro- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, 4-chloro- (7CI, 8CI)  
 OTHER NAMES:  
 CN **4-Chloro-IAA**  
 CN 4-Chloroindole-3-acetic acid  
 CN 4-Chloroindoleacetic acid  
 CN 4-Chloroindolyl-3-acetic acid  
 FS 3D CONCORD  
 MF C10 H8 Cl N O2  
 CI COM  
 LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, MEDLINE, NAPRALERT, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



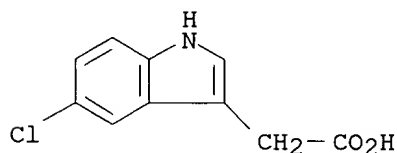
92 REFERENCES IN FILE CA (1967 TO DATE)  
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 92 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 63 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 1912-45-4 REGISTRY

CN 1H-Indole-3-acetic acid, 5-chloro- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, 5-chloro- (7CI, 8CI)  
 OTHER NAMES:  
 CN 5-Chloro-1H-indole-3-acetic acid  
 CN **5-Chloro-IAA**  
 CN 5-Chloroindole-3-acetic acid  
 FS 3D CONCORD  
 MF C10 H8 Cl N O2  
 CI COM  
 LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS,  
 MEDLINE, TOXLIT  
 (\*File contains numerically searchable property data)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1

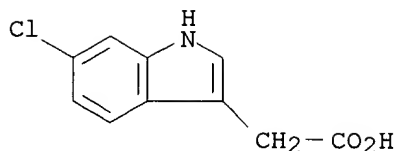


23 REFERENCES IN FILE CA (1967 TO DATE)  
 23 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 64 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 1912-44-3 REGISTRY  
 CN 1H-Indole-3-acetic acid, 6-chloro- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, 6-chloro- (7CI, 8CI)  
 OTHER NAMES:  
 CN **6-Chloro-IAA**  
 CN 6-Chloroindole-3-acetic acid  
 FS 3D CONCORD  
 MF C10 H8 Cl N O2  
 CI COM  
 LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, IFICDB,  
 IFIPAT, IFIUDB, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1

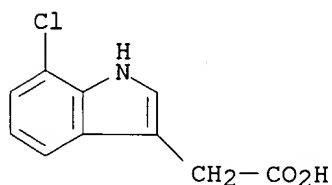


25 REFERENCES IN FILE CA (1967 TO DATE)  
 25 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 65 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 1912-41-0 REGISTRY  
 CN 1H-Indole-3-acetic acid, 7-chloro- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, 7-chloro- (7CI, 8CI)  
 OTHER NAMES:  
 CN **7-Chloro-IAA**  
 CN 7-Chloroindole-3-acetic acid  
 FS 3D CONCORD  
 MF C10 H8 Cl N O2  
 CI COM  
 LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, TOXLINE,  
 TOXLIT  
 (\*File contains numerically searchable property data)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



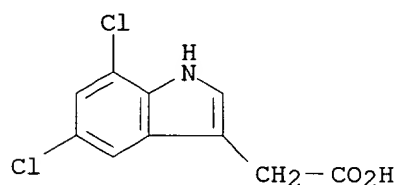
22 REFERENCES IN FILE CA (1967 TO DATE)  
 22 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 66 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 1912-40-9 REGISTRY  
 CN 1H-Indole-3-acetic acid, 5,7-dichloro- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, 5,7-dichloro- (7CI, 8CI)  
 OTHER NAMES:  
 CN 5,7-Dichloro-3-indoleacetic acid  
 CN **5,7-Dichloro-IAA**

FS 3D CONCORD  
 MF C10 H7 Cl2 N O2  
 CI COM  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, TOXLIT  
 (\*File contains numerically searchable property data)

Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



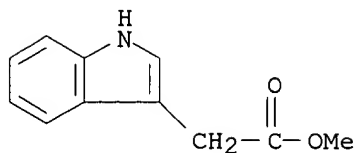
18 REFERENCES IN FILE CA (1967 TO DATE)  
 18 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 67 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 1912-33-0 REGISTRY  
 CN 1H-Indole-3-acetic acid, methyl ester (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, methyl ester (6CI, 7CI, 8CI)  
 OTHER NAMES:  
 CN .beta.-Indolylacetic acid methyl ester  
 CN **IAA methyl ester**  
 CN Indolyl-3-acetic acid methyl ester  
 CN Methyl .beta.-indoleacetate  
 CN Methyl indol-3-ylacetate  
 CN Methyl indole-3-acetate  
 FS 3D CONCORD  
 DR 53272-23-4, 119520-79-5  
 MF C11 H11 N O2  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS,  
 CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, SPECINFO,  
 SYNTHLINE,  
 TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
=====	=====	=====	=====	=====	=====

C4N-C6 |NC4-C6 |5-6 |C8N |333.151.57|1

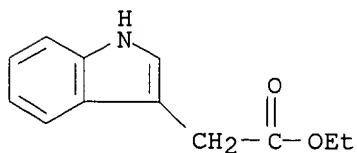


159 REFERENCES IN FILE CA (1967 TO DATE)  
 159 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 27 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 68 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 778-82-5 REGISTRY  
 CN 1H-Indole-3-acetic acid, ethyl ester (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, ethyl ester (6CI, 7CI, 8CI)  
 OTHER NAMES:  
 CN Ethyl .beta.-indolylacetate  
 CN Ethyl 1H-indole-3-acetate  
 CN Ethyl indol-3-ylacetate  
 CN Ethyl indole-3-acetate  
 CN **IAA ethyl ester**  
 FS 3D CONCORD  
 MF C12 H13 N O2  
 CI COM  
 LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,  
 CHEMCATS, CHEMLIST, CSChem, IFICDB, IFIPAT, IFIUDb, MEDLINE, RTECS\*,  
 SPECINFO, SYNTHLINE, TOXLINE, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



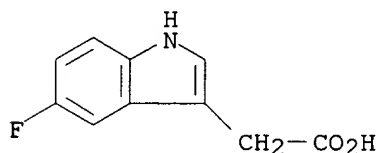
98 REFERENCES IN FILE CA (1967 TO DATE)

98 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
28 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 69 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 443-73-2 REGISTRY  
CN 1H-Indole-3-acetic acid, 5-fluoro- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Indole-3-acetic acid, 5-fluoro- (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN 2-(5-Fluoro-3-indolyl)acetic acid  
CN **5-Fluoro-IAA**  
CN 5-Fluoroindole-3-acetic acid  
FS 3D CONCORD  
MF C10 H8 F N O2  
LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST,  
CSCHEM, TOXLIT, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
=====	=====	=====	=====	=====	=====
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



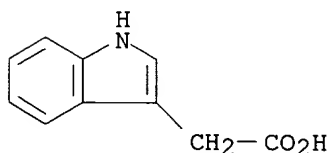
25 REFERENCES IN FILE CA (1967 TO DATE)  
25 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 70 OF 71 REGISTRY COPYRIGHT 2001 ACS  
RN 87-51-4 REGISTRY  
CN 1H-Indole-3-acetic acid (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Indole-3-acetic acid (8CI)  
OTHER NAMES:  
CN **.alpha.-IAA**  
CN **.beta.-IAA**  
CN .beta.-Indoleacetic acid  
CN 2-(1H-Indol-3-yl)acetic acid  
CN 2-(3-Indolyl)acetic acid  
CN 3-(Carboxymethyl)indole  
CN **3-IAA**  
CN 3-Indolylmethylcarboxylic acid  
CN GAP  
CN Heteroauxin  
CN **IAA**

CN Indoleacetic acid  
 CN Rhizopin  
 FS 3D CONCORD  
 DR 54692-39-6  
 MF C10 H9 N O2  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS,  
 BIOSIS,  
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,  
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM\*, DRUGU,  
 EMBASE, GMELIN\*, HODOC\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*,  
 MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS\*, SPECINFO,  
 SYNTHLINE,  
 TOXLINE, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

#### Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



12421 REFERENCES IN FILE CA (1967 TO DATE)  
 233 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 12424 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

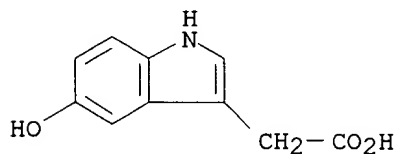
L1 ANSWER 71 OF 71 REGISTRY COPYRIGHT 2001 ACS  
 RN 54-16-0 REGISTRY  
 CN 1H-Indole-3-acetic acid, 5-hydroxy- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Indole-3-acetic acid, 5-hydroxy- (8CI)  
 OTHER NAMES:  
 CN 5-HIAA  
 CN 5-Hydroxy-1H-indole-3-acetic acid  
 CN 5-Hydroxy-3-indolylacetate  
 CN **5-Hydroxy-IAA**  
 CN 5-Hydroxyheteroauxin  
 CN 5-Hydroxyindol-3-ylacetic acid  
 CN 5-Hydroxyindole-3-acetic acid  
 CN 5-Hydroxyindoleacetic acid  
 CN 5-Oxyindoleacetic acid  
 FS 3D CONCORD  
 DR 1321-73-9, 99155-61-0, 113303-91-6  
 MF C10 H9 N O3



CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS,  
 BIOSIS,  
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,  
 CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, HODOC\*, IFICDB, IFIPAT, IFIUDB,  
 IPA, MEDLINE, MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, RTECS\*, SPECINFO,  
 TOXLINE, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6	NC4-C6	5-6	C8N	333.151.57	1



7270 REFERENCES IN FILE CA (1967 TO DATE)  
 9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 7275 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

FILE 'REGISTRY' ENTERED AT 17:24:00 ON 22 SEP 2001

L1 71 SEA IAA  
L2 0 SEA L1 AND IMIDAZOLINE  
L3 0 SEA L1 AND IODO  
L4 0 SEA L1 AND RIBOFURANOSYL  
L5 49 SEA L1 AND ACETIC ACID  
D L5 1-49, TI  
D L4 1-75  
D L1 1-71 SAME

FILE 'USPATFULL' ENTERED AT 17:34:34 ON 22 SEP 2001

L6 1169 SEA IAA  
L7 0 SEA L6 AND RIBOFURANOSYL  
L8 427 SEA L6 AND NUCLEOTIDE  
L9 0 SEA L8 AND IMIDAZOLEACETIC  
L10 5 SEA L8 AND CARBOXAMIDE  
D L10 1-5, ABS, KWIC  
L11 49 SEA IMIDAZOLE (W) 4 (W) ACETIC (W) ACID  
L12 0 SEA L11 AND RIBOSIDE  
L13 0 SEA L11 AND RIBONUCLEOTIDE  
L14 1 SEA L11 AND CARBOHYDRATE  
D L14  
D L14 1 KWIC, AB, STD